

***Bombus insularis* (Indiscriminate Cuckoo Bumble Bee )****Priority 2 Species of Greatest Conservation Need (SGCN)****Class:** *Insecta* (Insects)**Order:** *Hymenoptera* (Ants, Bees, Wasps And Sawflies)**Family:** *Apidae* (Honey Bees, Bumble Bees, And Allies)**General comments:**

despite secure global status and presence of unlimited habitat, only 3 museum specimens for ME, none of which are recent; species has not shown up in limited recent surveys but comprehensive statewide survey effort is lacking

**Species Conservation Range Maps for Indiscriminate Cuckoo Bumble Bee :**Town Map: [Bombus insularis Towns.pdf](#)Subwatershed Map: [Bombus insularis HUC12.pdf](#)**SGCN Priority Ranking - Designation Criteria:****Risk of Extirpation:** NA**State Special Concern or NMFS Species of Concern:***Bombus insularis* is listed as a species of Special Concern in Maine.**Recent Significant Declines:** NA**Regional Endemic:** NA**High Regional Conservation Priority:** NA**High Climate Change Vulnerability:** NA**Understudied rare taxa:**

Recently documented or poorly surveyed rare species for which risk of extirpation is potentially high (e.g. few known occurrences) but insufficient data exist to conclusively assess distribution and status. \*criteria only qualifies for Priority 3 level SGCN\*

Notes: despite secure global status and presence of unlimited habitat, only 3 museum specimens for ME, none of which are recent; species has not shown up in limited recent surveys but comprehensive statewide survey effort is lacking

**Historical:**

Species currently listed as state (SH) or global (GH) historical (by MDIFW or NatureServe) that have some reasonable probability of rediscovery with further survey effort.

**State Rank:** SU, **Global Rank:** G4G5, **Rounded Global Rank:** G4, **MDIFW Historical:** Yes

**MDIFW Historical Notes:** despite secure global status and presence of unlimited habitat, only 3 museum specimens for ME, none of which are recent; species has not shown up in limited recent surveys but comprehensive statewide survey effort is lacking

**Culturally Significant:** NA**Habitats Assigned to Indiscriminate Cuckoo Bumble Bee :****Formation Name      Agricultural****Macrogroup Name      Agricultural**

**Habitat System Name:** Agricultural Macrogroup - Unknown Habitat System    **Notes:** *habitat generalist - various unknown types*

**Formation Name      Boreal Upland Forest****Macrogroup Name      Boreal Upland Forest**

**Habitat System Name:** Boreal Upland Forest Macrogroup - Unknown Habitat System    **Notes:** *habitat generalist - various unknown types*

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Stressor Priority Level based on Severity and Actionability		Moderate Severity	High Severity
	Highly Actionable	Medium-High	High
	Moderately Actionable	Medium	Medium-High
	Actionable with Difficulty	Low	Low

**IUCN Level 1 Threat      Other Options****IUCN Level 2 Threat:** Lack of knowledge**Severity:** Moderate Severity**Actionability:** Highly actionable**Notes:** No modern EOs in ME; lack of comprehensive statewide survey effort to identify occurrences and determine species status**IUCN Level 1 Threat      Pollution****IUCN Level 2 Threat:** Agricultural and Forestry Effluents**Severity:** Severe**Actionability:** Moderately actionable**Notes:** Pesticides (e.g., seed/nursery stock inoculation, agricultural applications); past impacts (i.e., severe declines) actionable with difficulty, but future impacts moderately actionable (e.g., changes in pesticide type and use)**IUCN Level 1 Threat      Agriculture and Aquaculture****IUCN Level 2 Threat:** Annual and Perennial Non-timber crops**Severity:** Moderate Severity**Actionability:** Moderately actionable**Notes:** Habitat loss and fragmentation via intensive land management practices; can also create foraging and nesting habitat

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None. *Only species specific conservation actions that address high (red) or medium-high (orange) priority stressors are summarized here.*

**Conservation Actions Associated with the Bumble Bees Guild:**

<b>Conservation Action</b>	<b>Category:</b> Survey and Monitoring	<b>Biological Priority:</b> high	<b>Type:</b> on-going
Conduct statewide surveys to document species diversity, distribution and relative abundance.			

**Stressor(s) Addressed By This Conservation Action**

Lack of knowledge

<b>Conservation Action</b>	<b>Category:</b> Research	<b>Biological Priority:</b> high	<b>Type:</b> new
Produce a statewide atlas and conservation assessment			

**Stressor(s) Addressed By This Conservation Action**

Lack of knowledge

<b>Conservation Action</b>	<b>Category:</b> Public Outreach	<b>Biological Priority:</b> moderate	<b>Type:</b> new
Develop and implement outreach materials to raise public awareness of native pollinator ecology, threats and conservation needs, and to encourage use of Integrated Pest Management practices.			

**Stressor(s) Addressed By This Conservation Action**

Agricultural and Forestry Effluents

**Broad Taxonomic Group Conservation Actions:**

Additional relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

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Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

*The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.*